



IFW16

RAW SEQUENCE LISTING

DATE: 08/10/2004

PATENT APPLICATION: US/09/966,742A

TIME: 11:11:39

Input Set : A:\Sequence Listing.txt

Output Set: N:\CRF4\08102004\I966742A.raw

3 <110> APPLICANT: DOEKEL, SASCHA
 4 MARAHIEL, MOHAMED A.
 5 QUAEDFLIEG, PETER J. L. M.
 6 SONKE, THEODORUS
 8 <120> TITLE OF INVENTION: PRODUCTION METHOD FOR
 9 ALPHA-L-ASPARTYL-L-PHENYLALANINE
 11 <130> FILE REFERENCE: 030268/0283720
 13 <140> CURRENT APPLICATION NUMBER: 09/966,742A
 14 <141> CURRENT FILING DATE: 2001-10-01
 16 <150> PRIOR APPLICATION NUMBER: PCT/NL00/00206
 17 <151> PRIOR FILING DATE: 2000-03-28
 19 <150> PRIOR APPLICATION NUMBER: 60/133,402
 20 <151> PRIOR FILING DATE: 1999-05-10
 22 <150> PRIOR APPLICATION NUMBER: EP 99200954.8
 23 <151> PRIOR FILING DATE: 1999-03-29
 25 <150> PRIOR APPLICATION NUMBER: EP 99203518.8
 26 <151> PRIOR FILING DATE: 1999-10-26
 28 <160> NUMBER OF SEQ ID NOS: 26
 30 <170> SOFTWARE: PatentIn Ver. 3.2
 32 <210> SEQ ID NO: 1
 33 <211> LENGTH: 6
 34 <212> TYPE: PRT
 35 <213> ORGANISM: Artificial Sequence
 37 <220> FEATURE:
 38 <223> OTHER INFORMATION: Description of Artificial Sequence: Consensus
 39 sequence
 41 <220> FEATURE:
 42 <221> NAME/KEY: MOD_RES
 43 <222> LOCATION: (2)
 44 <223> OTHER INFORMATION: Thr or Ser
 46 <220> FEATURE:
 47 <221> NAME/KEY: MOD_RES
 48 <222> LOCATION: (4)
 49 <223> OTHER INFORMATION: Variable amino acid
 51 <400> SEQUENCE: 1
 W--> 52 Leu Xaa Tyr Xaa Glu Leu
 53 1 5
 56 <210> SEQ ID NO: 2
 57 <211> LENGTH: 12
 58 <212> TYPE: PRT
 59 <213> ORGANISM: Artificial Sequence
 61 <220> FEATURE:
 62 <223> OTHER INFORMATION: Description of Artificial Sequence: Consensus



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63      sequence
65 <220> FEATURE:
66 <221> NAME/KEY: MOD_RES
67 <222> LOCATION: (5)
68 <223> OTHER INFORMATION: Variable amino acid
70 <220> FEATURE:
71 <221> NAME/KEY: MOD_RES
72 <222> LOCATION: (9)
73 <223> OTHER INFORMATION: Val or Leu
75 <220> FEATURE:
76 <221> NAME/KEY: MOD_RES
77 <222> LOCATION: (11)
78 <223> OTHER INFORMATION: Leu or Ile
80 <400> SEQUENCE: 2
W--> 81 Leu Lys Ala Gly Xaa Ala Tyr Leu Xaa Pro Xaa Asp
      82   1           5           10
85 <210> SEQ ID NO: 3
86 <211> LENGTH: 16
87 <212> TYPE: PRT
88 <213> ORGANISM: Artificial Sequence
90 <220> FEATURE:
91 <223> OTHER INFORMATION: Description of Artificial Sequence: Consensus
92      sequence
94 <220> FEATURE:
95 <221> NAME/KEY: MOD_RES
96 <222> LOCATION: (4)..(5)
97 <223> OTHER INFORMATION: Variable amino acid
99 <220> FEATURE:
100 <221> NAME/KEY: MOD_RES
101 <222> LOCATION: (10)
102 <223> OTHER INFORMATION: Ser or Thr
104 <220> FEATURE:
105 <221> NAME/KEY: MOD_RES
106 <222> LOCATION: (13)
107 <223> OTHER INFORMATION: Variable amino acid
109 <400> SEQUENCE: 3
W--> 110 Leu Ala Tyr Xaa Xaa Tyr Thr Ser Gly Xaa Thr Gly Xaa Pro Lys Gly
      111   1           5           10           15
114 <210> SEQ ID NO: 4
115 <211> LENGTH: 4
116 <212> TYPE: PRT
117 <213> ORGANISM: Artificial Sequence
119 <220> FEATURE:
120 <223> OTHER INFORMATION: Description of Artificial Sequence: Consensus
121      sequence
123 <220> FEATURE:
124 <221> NAME/KEY: MOD_RES
125 <222> LOCATION: (3)
126 <223> OTHER INFORMATION: Variable amino acid

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128 <400> SEQUENCE: 4
W--> 129 Phe Asp Xaa Ser
130      1
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134 <211> LENGTH: 7
135 <212> TYPE: PRT
136 <213> ORGANISM: Artificial Sequence
138 <220> FEATURE:
139 <223> OTHER INFORMATION: Description of Artificial Sequence: Consensus
140      sequence
142 <220> FEATURE:
143 <221> NAME/KEY: MOD_RES
144 <222> LOCATION: (2)
145 <223> OTHER INFORMATION: Variable amino acid
147 <400> SEQUENCE: 5
W--> 148 Asn Xaa Tyr Gly Pro Thr Glu
149      1      5
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153 <211> LENGTH: 15
154 <212> TYPE: PRT
155 <213> ORGANISM: Artificial Sequence
157 <220> FEATURE:
158 <223> OTHER INFORMATION: Description of Artificial Sequence: Consensus
159      sequence
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162 <221> NAME/KEY: MOD_RES
163 <222> LOCATION: (4)
164 <223> OTHER INFORMATION: Variable amino acid
166 <220> FEATURE:
167 <221> NAME/KEY: MOD_RES
168 <222> LOCATION: (6)
169 <223> OTHER INFORMATION: Variable amino acid
171 <220> FEATURE:
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173 <222> LOCATION: (8)
174 <223> OTHER INFORMATION: Variable amino acid
176 <220> FEATURE:
177 <221> NAME/KEY: MOD_RES
178 <222> LOCATION: (10)
179 <223> OTHER INFORMATION: Val or Leu
181 <400> SEQUENCE: 6
W--> 182 Gly Glu Leu Xaa Ile Xaa Gly Xaa Gly Xaa Ala Arg Gly Tyr Leu
183      1      5      10      15
186 <210> SEQ ID NO: 7
187 <211> LENGTH: 6
188 <212> TYPE: PRT
189 <213> ORGANISM: Artificial Sequence
191 <220> FEATURE:
192 <223> OTHER INFORMATION: Description of Artificial Sequence: Consensus

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```

193      sequence
195 <220> FEATURE:
196 <221> NAME/KEY: MOD_RES
197 <222> LOCATION: (2)
198 <223> OTHER INFORMATION: Arg or Lys
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W--> 201 Tyr Xaa Thr Gly Asp Leu
202      1          5
205 <210> SEQ ID NO: 8
206 <211> LENGTH: 20
207 <212> TYPE: PRT
208 <213> ORGANISM: Artificial Sequence
210 <220> FEATURE:
211 <223> OTHER INFORMATION: Description of Artificial Sequence: Consensus
212      sequence
214 <220> FEATURE:
215 <221> NAME/KEY: MOD_RES
216 <222> LOCATION: (3)
217 <223> OTHER INFORMATION: Variable amino acid
219 <220> FEATURE:
220 <221> NAME/KEY: MOD_RES
221 <222> LOCATION: (5)
222 <223> OTHER INFORMATION: Variable amino acid
224 <220> FEATURE:
225 <221> NAME/KEY: MOD_RES
226 <222> LOCATION: (12)
227 <223> OTHER INFORMATION: Variable amino acid
229 <400> SEQUENCE: 8
W--> 230 Gly Arg Xaa Asp Xaa Gln Val Lys Ile Arg Gly Xaa Arg Ile Glu Leu
231      1          5          10          15
233 Gly Glu Ile Glu
234      20
237 <210> SEQ ID NO: 9
238 <211> LENGTH: 7
239 <212> TYPE: PRT
240 <213> ORGANISM: Artificial Sequence
242 <220> FEATURE:
243 <223> OTHER INFORMATION: Description of Artificial Sequence: Consensus
244      sequence
246 <220> FEATURE:
247 <221> NAME/KEY: MOD_RES
248 <222> LOCATION: (3)
249 <223> OTHER INFORMATION: Variable amino acid
251 <220> FEATURE:
252 <221> NAME/KEY: MOD_RES
253 <222> LOCATION: (6)
254 <223> OTHER INFORMATION: Ile or Val
256 <400> SEQUENCE: 9
W--> 257 Leu Pro Xaa Tyr Met Xaa Pro

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Input Set : A:\Sequence Listing.txt

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258      1          5
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262 <211> LENGTH: 6
263 <212> TYPE: PRT
264 <213> ORGANISM: Artificial Sequence
266 <220> FEATURE:
267 <223> OTHER INFORMATION: Description of Artificial Sequence: Consensus
268      sequence
270 <220> FEATURE:
271 <221> NAME/KEY: MOD_RES
272 <222> LOCATION: (4)
273 <223> OTHER INFORMATION: Val or Leu
275 <400> SEQUENCE: 10
W--> 276 Asn Gly Lys Xaa Asp Arg
277      1          5
280 <210> SEQ ID NO: 11
281 <211> LENGTH: 12
282 <212> TYPE: PRT
283 <213> ORGANISM: Artificial Sequence
285 <220> FEATURE:
286 <223> OTHER INFORMATION: Description of Artificial Sequence: Consensus
287      sequence
289 <220> FEATURE:
290 <221> NAME/KEY: MOD_RES
291 <222> LOCATION: (2)
292 <223> OTHER INFORMATION: Variable amino acid
294 <220> FEATURE:
295 <221> NAME/KEY: MOD_RES
296 <222> LOCATION: (5)..(6)
297 <223> OTHER INFORMATION: Variable amino acid
299 <220> FEATURE:
300 <221> NAME/KEY: MOD_RES
301 <222> LOCATION: (10)
302 <223> OTHER INFORMATION: His or Asp
304 <220> FEATURE:
305 <221> NAME/KEY: MOD_RES
306 <222> LOCATION: (12)
307 <223> OTHER INFORMATION: Leu or Ile
309 <400> SEQUENCE: 11
W--> 310 Asp Xaa Phe Phe Xaa Xaa Leu Gly Gly Xaa Ser Xaa
311      1          5          10
314 <210> SEQ ID NO: 12
315 <211> LENGTH: 10
316 <212> TYPE: PRT
317 <213> ORGANISM: Artificial Sequence
319 <220> FEATURE:
320 <223> OTHER INFORMATION: Description of Artificial Sequence: Consensus
321      sequence
323 <220> FEATURE:

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/966,742A

DATE: 08/10/2004
TIME: 11:11:40

Input Set : A:\Sequence Listing.txt
Output Set: N:\CRF4\08102004\I966742A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 2,4
Seq#:2; Xaa Pos. 5,9,11
Seq#:3; Xaa Pos. 4,5,10,13
Seq#:4; Xaa Pos. 3
Seq#:5; Xaa Pos. 2
Seq#:6; Xaa Pos. 4,6,8,10
Seq#:7; Xaa Pos. 2
Seq#:8; Xaa Pos. 3,5,12
Seq#:9; Xaa Pos. 3,6
Seq#:10; Xaa Pos. 4
Seq#:11; Xaa Pos. 2,5,6,10,12
Seq#:12; Xaa Pos. 2,5,7,8,9
Seq#:13; Xaa Pos. 4,8
Seq#:14; Xaa Pos. 4,9
Seq#:15; Xaa Pos. 2,4
Seq#:16; Xaa Pos. 1,3,8,9,10
Seq#:17; Xaa Pos. 1,4
Seq#:18; Xaa Pos. 3
Seq#:19; Xaa Pos. 2,4
Seq#:20; Xaa Pos. 2,4

VERIFICATION SUMMARY

DATE: 08/10/2004

PATENT APPLICATION: US/09/966,742A

TIME: 11:11:40

Input Set : A:\Sequence Listing.txt

Output Set: N:\CRF4\08102004\I966742A.raw

L:52 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:81 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:110 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:129 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:148 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
L:182 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
L:201 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0
L:230 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0
L:257 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0
L:276 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0
L:310 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0
L:349 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0
L:373 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0
L:397 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0
L:421 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0
L:460 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0
L:484 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0
L:503 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0
L:527 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0
L:551 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:0